

Ask a question, get evidence you can defend

Validated, auditable real-world evidence, generated end-to-end

Every research team has more questions about their therapy area than they have time or resources to answer, and translating a question into code sets, cohort definitions and documented methodology can take months. HealthVerity eXOs is an agentic AI evidence studio that closes that gap: ask a research question in plain English and an AI agent designs the study, checks feasibility and builds the analysis plan, while you review, edit and approve every step before it runs, producing transparent, auditable analyses with publication-ready results.

What's new in eXOs?

Data foundation

35M+ patient lives, not a sample.
Studies now have the scale of
real-world research demands.

Automated feasibility checks

Before a study runs, eXOs validates
data that can answer your question,
checking codes, enrollment windows
and study period.

Editable protocol review

Review the full study protocol before
execution. Modify anything via
free text and eXOs reruns only the
affected analysis automatically.

Smart question routing

Simple feasibility questions return in
as little as 2 to 5 minutes. Full study
questions trigger the comprehensive
design and execution workflow,
typically completing well under an hour.

Publication-ready output

Results in abstract-style format
alongside source code and
methodology, ready for review,
presentation or publication in JAMA
or Medelooop style.

Citation-based replication

Provide a published paper and eXOs
replicates the analysis grounded
in peer-reviewed methodology,
source-validated against PubMed
and bioRxiv.

Key benefits:



Answers in minutes, not weeks

Run and refine analyses fast
enough to keep pace with a
question that keeps evolving.



See the logic, not just the output

Transparent cohort logic and
auditable code at every step, so
you can stand behind the result.



Evidence you can defend

Zero hallucinations across 250
independent validation runs,
with human review before every
analysis runs.



Built for your whole team

Any experience level can run a
study in plain language.
No coding required.

The only AI built on HealthVerity Marketplace, the nation's leading healthcare and consumer data ecosystem.

Enterprise-grade security: SOC 2 Type 2 certified and compliant with HIPAA, GDPR and NIST 800-53. A federated code-to-data architecture means patient-level data never leaves your environment and only aggregated results are returned.

From complex questions to actionable analysis — Without the delays

Built on curated, multi-payer closed claims with unlimited users and predictable flat-fee access, HealthVerity eXOs becomes your enterprise evidence studio to calibrate launch assumptions, understand market dynamics and adjust tactics with speed and confidence.

How it works

- 1 ASK** Ask Pose a research question in plain English with as much or as little detail as you have. eXOs adapts to your level of RWE expertise.
- 2 DESIGN** Design The AI agent collaborates with you to refine the question, build a study protocol and generate the query code. Review, edit or approve it.
- 3 PREPARE** Prepare eXOs checks feasibility against the data ecosystem, validating codes, enrollment windows and study period, before analysis runs.
- 4 ANALYZE** Analyze An AI agent trained in biostatistics runs the analysis using documented, reproducible methods within your secure enclave.
- 5 INTERPRET** Interpret Results are delivered in abstract-style format alongside source code that's ready for presentation, peer review or publication.



LEARN MORE

For more information about HealthVerity eXOs, email info@healthverity.com or visit <https://healthverity.com/exos/>

Supported analytics



Feasibility & cohort description

Define populations; understand size, demographics, comorbidities and characteristics.



Prevalence & incidence

Estimate how common a disease or event is in the dataset by year, age group, or population subgroup.



Adherence & persistence

Compute proportion of days covered and related metrics; compare subgroups.



Time-to-event

Measure time to initiation, discontinuation, change of therapy and key milestones.



Comparative outcomes

Contrast effectiveness and safety outcomes across cohorts, including mortality and hospitalizations.